

April 13, 2023

Docket No: 52-026

ND-23-0302  
10 CFR 52.99(c)(1)

U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555-0001

Southern Nuclear Operating Company  
Vogtle Electric Generating Plant Unit 4  
ITAAC Closure Notification on Completion of ITAAC 3.3.00.07c.ii.b [Index Number 798]

Ladies and Gentlemen:

In accordance with 10 CFR 52.99(c)(1), the purpose of this letter is to notify the Nuclear Regulatory Commission (NRC) of the completion of Vogtle Electric Generating Plant (VEGP) Unit 4 Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Item 3.3.00.07c.ii.b [Index Number 798]. This ITAAC confirms that fire barriers exist between fire areas identified in Table 3.3-3 inside the radiologically controlled area of the auxiliary building. The closure process for this ITAAC is based on the guidance described in Nuclear Energy Institute (NEI) 08-01, Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52, which was endorsed by the NRC in Regulatory Guide 1.215.

This letter contains no new NRC regulatory commitments. Southern Nuclear Operating Company (SNC) requests NRC staff confirmation of this determination and publication of the required notice in the Federal Register per 10 CFR 52.99.

If there are any questions, please contact Kelli Roberts at 706-848-6991.

Respectfully submitted,



Jamie M. Coleman  
Regulatory Affairs Director Vogtle 3 & 4

Enclosure      Vogtle Electric Generating Plant (VEGP) Unit 4  
Completion of ITAAC 3.3.00.07c.ii.b [Index Number 798]

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cc:      Regional Administrator, Region II  
         Director, Office of Nuclear Reactor Regulation (NRR)  
         Director, Vogtle Project Office NRR  
         Senior Resident Inspector – Vogtle 3 & 4

**Southern Nuclear Operating Company  
ND-23-0302  
Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 4  
Completion of ITAAC 3.3.00.07c.ii.b [Index Number 798]**

## **ITAAC Statement**

### **Design Commitment**

7.c) Separation is maintained between Class 1E divisions in accordance with the fire areas as identified in Table 3.3-3.

### **Inspections, Tests, Analyses**

ii) Inspections of the as-built fire barriers between the fire areas identified in Table 3.3-3 will be conducted.

### **Acceptance Criteria**

ii.b) Results of the inspection will confirm that fire barriers exist between fire areas identified in Table 3.3-3 inside the radiologically controlled area of the auxiliary building.

## **ITAAC Determination Basis**

Multiple ITAAC are performed to demonstrate that separation is maintained between Class 1E divisions in accordance with the fire areas as identified in Table 3.3-3. The subject ITAAC requires inspections to be conducted of the as-built fire barriers between the fire areas identified in Table 3.3-3. The Class 1E divisions in Nuclear Island Fire Areas are described in Combined License (COL) Appendix C Table 3.3-3 (Attachment A). The fire barriers between fire areas identified in Table 3.3-3 inside the radiologically controlled area of the auxiliary building are designed in accordance with APP-GW-E1-001 (Reference 1). Installation specifications provided to the constructor identify the fire barriers, consistent with the ITAAC commitment.

Fire barriers between the fire areas identified in the table were installed in accordance with design drawings, installation specifications issued for construction, and work package requirements. Completed fire barriers were inspected to ensure the fire barrier criteria in the installation specifications are satisfied. Inspections were performed in accordance with the Construction Quality Verification Program 26139-000-4MP-T81C-N7101 (Reference 3). The completed inspection records document that satisfactory fire barriers exist between fire areas identified in the table inside the radiologically controlled area of the auxiliary building.

The Fire Barrier Inspection Report (Reference 2) identifies the inspection reports associated with the fire barrier inspections and confirmed that fire barriers exist between fire areas identified in Table 3.3-3 inside the radiologically controlled area of the auxiliary building. The Fire Barrier Inspection Report is available for NRC inspection as part of the Unit 4 ITAAC Completion Package (Reference 4).

## **ITAAC Finding Review**

In accordance with plant procedures for ITAAC completion, Southern Nuclear Operating Company (SNC) performed a review of all findings pertaining to the subject ITAAC and associated corrective actions. This review found there are no relevant ITAAC findings associated with this ITAAC. The ITAAC completion review is documented in the ITAAC Completion Package for ITAAC 3.3.00.07c.ii.b (Reference 4) and is available for NRC review.

**ITAAC Completion Statement**

Based on the above information, SNC hereby notifies the NRC that ITAAC 3.3.00.07c.ii.b was performed for VEGP Unit 4 and that the prescribed acceptance criteria were met. Systems, structures, and components verified as part of this ITAAC are being maintained in their as-designed, ITAAC compliant condition in accordance with approved plant programs and procedures.

**References (available for NRC inspection)**

1. APP-GW-E1-001 (SV4-GW-E1-001), Rev. 4 Electrical Systems Design Criteria
2. SV4-1200-ITR-800798 R0, Unit 4 Auxiliary Building Radiologically Area Fire Barriers ITAAC 3.3.00.07c.ii.b, NRC Index Number 798
3. 26139-000-4MP-T81C-N7101, Construction Quality Verification Program
4. 3.3.00.07c.ii.b-U4-CP-Rev0, ITAAC Completion Package

**Attachment A**

**\*Excerpt from COL Appendix C Table 3.3-3**

<b>*Fire Area Number</b>	<b>*Class 1E Divisions</b>			
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>Auxiliary Building Radiologically Controlled</b>				
1200 AF 01	Yes	Yes	-	-
1220 AF 02	-	-	-	Yes